

Title

Section 5.1 - Selection of Indicator Contaminants

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D1.4 Comparison & Use of PCB Aroclor & Congener Data

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D1.5 Patterns & Trends of PCBs, PCDD/Fs, DDx, and PAHs in Bedded Sediment

PCB Homolog Content of Aroclors

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 Stacked bar chart Showing PCB Homolog Patterns in Surface Sediment, Study Area (RM 2.1-11.3) Navigation Channel
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Stacked bar chart Showing PCDD/F Homolog Patterns in Surface Sediment, Study Area (RM 0.9-12.1) Eastern Nearshore

Stacked bar chart Showing PCDD/F Homolog Patterns in Surface Sediment, Study Area (RM 1.2-10.9) Navigation Channel

Stacked bar chart Showing PCDD/F Homolog Patterns in Surface Sediment, Study Area (RM 0.7-12.0) Western Nearshore

Stacked bar chart Showing PCDD/F Homolog Patterns in Subsurface Sediment, Study Area (RM 1.1-9.3) Eastern Nearshore

Stacked bar chart Showing PCDD/F Homolog Patterns in Subsurface Sediment, Study Area (RM 1.2-10.9) Navigation Channel

Stacked bar chart Showing PCDD/F Homolog Patterns in Subsurface Sediment, Study Area (RM 0.9-9.7) Western Nearshore

Stacked bar chart Showing DDx Patterns in Surface Sediment, Study Area (RM 1.0-4.4) Eastern Nearshore

Stacked bar chart Showing DDx Patterns in Surface Sediment, Study Area (RM 4.4-7.3) Eastern Nearshore

Stacked bar chart Showing DDx Patterns in Surface Sediment, Study Area (RM 7.3-12.1) Eastern Nearshore

Stacked bar chart Showing DDx Patterns in Surface Sediment, Study Area (RM 0.0-7.1) Navigation Channel

Stacked bar chart Showing DDx Patterns in Surface Sediment, Study Area (RM 7.1-11.3) Navigation Channel

Stacked bar chart Showing DDx Patterns in Surface Sediment, Study Area (RM 0.7-6.0) Western Nearshore

Stacked bar chart Showing DDx Patterns in Surface Sediment, Study Area (RM 6.0-7.6) Western Nearshore

Stacked bar chart Showing DDx Patterns in Surface Sediment, Study Area (RM 7.7-12.2) Western Nearshore

Stacked bar chart Showing DDx Patterns in Subsurface Sediment, Study Area (RM 0.7-4.6) Eastern Nearshore

Stacked bar chart Showing DDx Patterns in Subsurface Sediment, Study Area (RM 4.6-12.1) Eastern Nearshore

Stacked bar chart Showing DDx Patterns in Subsurface Sediment, Study Area (RM 0.1-11.5) Navigation Channel

Stacked bar chart Showing DDx Patterns in Subsurface Sediment, Study Area (RM 0.7-7.2) Western Nearshore

Stacked bar chart Showing DDx Patterns in Subsurface Sediment, Study Area (RM 7.2-12.2) Western Nearshore

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Stacked bar chart Showing PAH Patterns in Surface Sediment, Study Area (RM 4.4-6.4) Eastern Nearshore

Stacked bar chart Showing PAH Patterns in Surface Sediment, Study Area (RM 6.4-8.1) Eastern Nearshore

Stacked bar chart Showing PAH Patterns in Surface Sediment, Study Area (RM 8.1-12.1) Eastern Nearshore

Stacked bar chart Showing PAH Patterns in Surface Sediment, Study Area (RM 0.0-7.4) Navigation Channel

Stacked bar chart Showing PAH Patterns in Surface Sediment, Study Area (RM 7.5-11.3) Navigation Channel

Stacked bar chart Showing PAH Patterns in Surface Sediment, Study Area (RM 0.7-4.9) Western Nearshore

Stacked bar chart Showing PAH Patterns in Surface Sediment, Study Area (RM 5.0-6.9) Western Nearshore

Stacked bar chart Showing PAH Patterns in Surface Sediment, Study Area (RM 6.9-8.3) Western Nearshore

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Stacked bar chart Showing PAH Patterns in Subsurface Sediment, Study Area (RM 4.6-11.4) Eastern Nearshore

Stacked bar chart Showing PAH Patterns in Subsurface Sediment, Study Area (RM 0.1-7.6) Navigation Channel

Stacked bar chart Showing PAH Patterns in Subsurface Sediment, Study Area (RM 7.7-11.6) Navigation Channel

Stacked bar chart Showing PAH Patterns in Subsurface Sediment, Study Area (RM 0.7-6.3) Western Nearshore

Stacked bar chart Showing PAH Patterns in Subsurface Sediment, Study Area (RM 6.3-12.2) Western Nearshore

Section D2 - Mobile Sediment as measured in Sediment Traps

D2.1 - Key Contaminant and Physical Parameters in Sediment Trap - Figures

Histogram of PCB TEQ Concentrations for In-River Sediment Traps

Histogram of Total DDT Concentrations for In-River Sediment Traps

Histogram of Total DDE Concentrations for In-River Sediment Traps

Histogram of Total DDD Concentrations for In-River Sediment Traps

Histogram of Total Carcinogenic PAHs Concentrations for In-River Sediment Traps

Histogram of Low Molecular Weight PAHs Concentrations for In-River Sediment Traps

Histogram of High Molecular Weight PAHs Concentrations for In-River Sediment Traps

Histogram of Phenanthrene Concentrations for In-River Sediment Traps
Histogram of Naphthalene Concentrations for In-River Sediment Traps
Histogram of Benzo(a)pyrene Concentrations for In-River Sediment Traps
Histogram of Total Petroleum Hydrocarbon Concentrations for In-River Sediment Traps
Histogram of Residual-Range Hydrocarbon Concentrations for In-River Sediment Traps
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Histogram of Butylbenzyl phthalate Concentrations for In-River Sediment Traps
Histogram of Pentachlorophenol Concentrations for In-River Sediment Traps
Histogram of Hexachlorobenzene Concentrations for In-River Sediment Traps
Histogram of gamma-Hexachlorocyclohexane (Lindane) Concentrations for In-River Sediment Traps
Histogram of Cadmium Concentrations for In-River Sediment Traps
Histogram of Lead Concentrations for In-River Sediment Traps
Histogram of Mercury Concentrations for In-River Sediment Traps
Histogram of Nickel Concentrations for In-River Sediment Traps
Histogram of Percent Fines Concentrations for In-River Sediment Traps
Histogram of Total Organic Carbon Concentrations for In-River Sediment Traps

D2.3 Patterns & Trends of PCBs, PCDD/Fs, DDX, and PAHs in Sediment Traps

Stacked Bar Chart of PCB Homolog Patterns for In-River Sediment Traps
Stacked Bar Chart of PCB Aroclor Patterns for In-River Sediment Traps
Covariance Matrix of PCB Homologs and Sediment Accumulation Rates for In-River Sediment Traps
Relationships between hexaCBs and Total PCBs, and heptaCBs and Total PCBs for In-River Sediment Traps
Stacked Bar Chart of PCDD/F Holog Patterns for In-River Sediment Traps
Stacked Bar Chart of DDX Patterns for In-River Sediment Traps
Stacked Bar Chart of PAH Patterns by Number of Rings for In-River Sediment Traps
Stacked Bar Chart of PAH Patterns for In-River Sediment Traps

Section D3 - Surface Water

D3.1 - Key Contaminant Concentrations in Surface Water - Figures

Histogram of Transect and Mean Single-Point PCB TEQ Concentrations in Surface Water by Flow Event (RM 2-16)
Histogram of Transect and Mean Single-Point Total DDT Concentrations in Surface Water by Flow Event (RM 2-16)
Histogram of Transect and Mean Single-Point Total DDE Concentrations in Surface Water by Flow Event (RM 2-16)
Histogram of Transect and Mean Single-Point Total DDD Concentrations in Surface Water by Flow Event (RM 2-16)
Histogram of Transect and Mean Single-Point Total Carcinogenic PAHs Concentrations in Surface Water by Flow Event (RM 2-16)
Histogram of Transect and Mean Single-Point Low Molecular Weight PAHs Concentrations in Surface Water by Flow Event (RM 2-16)
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Histogram of Transect and Mean Single-Point Benzo(a)pyrene Concentrations in Surface Water by Flow Event (RM 2-16)
Histogram of Transect and Mean Single-Point Hexachlorobenzene Concentrations in Surface Water by Flow Event (RM 2-16)
Histogram of Transect and Mean Single-Point gamma-Hexachlorocyclohexane (Lindane) Concentrations in Surface Water by Flow Event (RM 2-16)
Histogram of Transect and Mean Single-Point Lead Concentrations in Surface Water by Flow Event (RM 2-16)

D3.4 Patterns & Trends of PCBs, PCDD/Fs, DDX, and PAHs in Surface Water

Stacked Bar Chart of Dissolved Total PCB Patterns in Surface Water
Stacked Bar Chart of Particulate Total PCB Patterns in Surface Water

Stacked Bar Chart of Dissolved Total PCDD/F Patterns in Surface Water
Stacked Bar Chart of Particulate Total PCDD/F Patterns in Surface Water
Stacked Bar Chart of Dissolved Total DDx Patterns in Surface Water
Stacked Bar Chart of Particulate Total DDx Patterns in Surface Water
Stacked Bar Chart of Dissolved Total PAH Patterns in Surface Water
Stacked Bar Chart of Particulate Total PAH Patterns in Surface Water

Dection D4 - Transition Zone Water & Seeps

D4.3 - Key Contaminants in Transition Zone Water & Seeps - Figures

Scatter Plot of Cadmium Concentrations in Transition Zone Water, Filtered and Unfiltered Peeper Samples
Scatter Plot of Lead Concentrations in Transition Zone Water, Filtered and Unfiltered Peeper Samples
Scatter Plot of Nickel Concentrations in Transition Zone Water, Filtered and Unfiltered Peeper Samples
Scatter Plot of Manganese Concentrations in Transition Zone Water, Filtered and Unfiltered Peeper Samples
Upland Seep Locations
Comparison of 1,2-DCB, Benzene, Silvex, and TCE Concentrations in Nearshore Upland Groundwater, Upland Seep

D4.4 - Patterns & Trends of DDx, PAHs, and TPH in TZW

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Stacked Bar Charts of Total Petroleum Hydrocarbon Patterns in Transition Zone Water (RM 4-8)

Section D5 - Biota

D5.2 Patterns & Trends of PCBs, PCDD/Fs, DDx, and PAHs in Biota

Stacked Bar Chart of PCB Homolog Patterns in Fish Tissue (RM 0.8 to 12.2)
Stacked Bar Chart of PCB Homolog Patterns in Invertebrate Tissue (RM 0.8 to 12.2)
Stacked Bar Chart of PCDD/F Patterns in Fish Tissue (RM 0.8 to 12.2)
Stacked Bar Chart of PCDD/F Patterns in Invertebrate Tissue (RM 0.8 to 12.2)
Stacked Bar Chart of DDx Patterns in Fish Tissue (RM 0.8 to 12.2)
Stacked Bar Chart of DDx Patterns in Invertebrate Tissue (RM 0.8 to 12.2)
Stacked Bar Chart of PAH Patterns in Clam Tissue (RM 0.8 to 12.2)

DELETED FIGURES

5.1-3 through 5.1-6 : These figures are redundant with figures presented in Appendix D1.4 (was Appendix D1.5 in :
5.2-13: This information is not useful in presenting the distribution of in-river contaminants. This information see
5.3-8 through 5.3-19: TSS and TOC are presented and discussed in Section 3 of the RI; these are not "contaminant
5.3-32 through 5.3-42: The relationships presented were not useful in describing distribution of contaminants at t
5.3-49 through 5.3-55: The relationships presented were not useful in describing distribution of contaminants at t
5.3-67 through 5.3-74: The relationships presented were not useful in describing distribution of contaminants at t
5.3-88 through 5.3-94: The relationships presented were not useful in describing distribution of contaminants at t
5.4-4b: Barium is not an indicator contaminant nor a key contaminant.
5.5-8: This information is not useful in describing distribution of contamination at the site in biota.
5.5-9 through 5.5-22 (b, c, d, i, & j): This information is not useful in describing distribution of contamination at the
5.5-23a-j: This information is not useful in describing distribution of contamination at the site in biota.

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D1.1-95	
D1.1-96	
D1.1-97	D1.4-41
D1.1-98	D1.4-42
D1.1-99	
D1.1-100	H4.1-1
D1.1-101	D1.4-43
D1.1-102	D1.4-44
D1.1-103	
D1.1-104	H4.1-2

D1.4-1a	D1.5-1a
D1.4-1b	D1.5-1b
D1.4-2	D1.5-2
D1.4-3	D1.5-3
D1.4-4	D1.5-4
D1.4-5a	D1.5-5a
D1.4-5b	D1.5-5b

D1.5-1	5.1-34
D1.5-2a	5.1-35a & H3.1-33a
D1.5-2b	5.1-35b & H3.1-33b
D1.5-2c	5.1-35c & H3.1-33c
D1.5-3a	5.1-36a & H3.1-34a
D1.5-3b	5.1-36b & H3.1-34b
D1.5-3c	5.1-36c & H3.1-34c
D1.5-4a	5.1-37a & H3.1-35a
D1.5-4b	5.1-37b & H3.1-35b
D1.5-4c	5.1-37c & H3.1-35c
D1.5-4d	5.1-37d & H3.1-35d
D1.5-4e	5.1-37e & H3.1-35e
D1.5-4f	5.1-37f & H3.1-35f
D1.5-4g	5.1-37g & H3.1-35g
D1.5-4h	5.1-37h & H3.1-35h
D1.5-5a	5.1-38a & H3.1-36a
D1.5-5b	5.1-38b & H3.1-36b
D1.5-5c	5.1-38c & H3.1-36c

D1.5-5d	5.1-38d & H3.1-36d
D1.5-6a	5.1-40a & H3.1-37a
D1.5-6b	5.1-40b & H3.1-37b
D1.5-6c	5.1-40c & H3.1-37c
D1.5-7a	5.1-41a & H3.1-38a
D1.5-7b	5.1-41b & H3.1-38b
D1.5-7c	5.1-41c & H3.1-38c
D1.5-8a	5.1-43a & H3.1-39a
D1.5-8b	5.1-43b & H3.1-39b
D1.5-8c	5.1-43c & H3.1-39c
D1.5-8d	5.1-43d & H3.1-39d
D1.5-8e	5.1-43e & H3.1-39e
D1.5-8f	5.1-43f & H3.1-39f
D1.5-8g	5.1-43g & H3.1-39g
D1.5-8h	5.1-43h & H3.1-39h
D1.5-9a	5.1-44a & H3.1-40a
D1.5-9b	5.1-44b & H3.1-40b
D1.5-9c	5.1-44c & H3.1-40c
D1.5-9d	5.1-44d & H3.1-40d
D1.5-9e	5.1-44d & H3.1-40e
D1.5-10a	5.1-46a & H3.1-41a
D1.5-10b	5.1-46b & H3.1-41b
D1.5-10c	5.1-46c & H3.1-41c
D1.5-10d	5.1-46d & H3.1-41d
D1.5-10e	5.1-46e & H3.1-41e
D1.5-10f	5.1-46f & H3.1-41f
D1.5-10g	5.1-46g & H3.1-41g
D1.5-10h	5.1-46h & H3.1-41h
D1.5-10i	5.1-46i & H3.1-41i
D1.5-10j	5.1-46j & H3.1-41j
D1.5-11a	5.1-47a & H3.1-42a
D1.5-11b	5.1-47b & H3.1-42b
D1.5-11c	5.1-47c & H3.1-42c
D1.5-11d	5.1-47d & H3.1-42d
D1.5-11e	5.1-47e & H3.1-42e
D1.5-11f	5.1-47f & H3.1-42f

D2.1-1	D2.1-1
D2.1-2	D2.1-2
D2.1-3	D2.1-3
D2.1-4	D2.1-4
D2.1-5	D2.1-5
D2.1-6	D2.1-7
D2.1-7	D2.1-6

D2.1-8	D2.1-8
D2.1-9	D2.1-9
D2.1-10	D2.1-10
D2.1-11	D2.1-13
D2.1-12	D2.1-12
D2.1-13	D2.1-11
D2.1-14	D2.1-14
D2.1-15	D2.1-15
D2.1-16	D2.1-16
D2.1-17	D2.1-17
D2.1-18	D2.1-18
D2.1-19	D2.1-19
D2.1-20	D2.1-20
D2.1-21	D2.1-21
D2.1-22	D2.1-22
D2.1-23	D2.1-23

D2.3-1a-b	5.2-9 & H3.1-60
D2.3-2a-b	5.2-10 & H3.1-61
D2.3-3	5.2-11
D2.3-4	5.2-12
D2.3-5a-b	5.2-15 & H3.1-62
D2.3-6a-b	5.2-18 & H3.1-63
D2.3-7a-b	5.2-20 & H3.1-64
D2.3-8a-b	5.2-21 & H3.1-65

D3.1-1a-c	D3.1-1 & 2
D3.1-2a-c	D3.1-3 through 5
D3.1-3a-c	D3.1-6 through 8
D3.1-4a-c	D3.1-9 through 11
D3.1-5a-c	D3.1-12 through 14
D3.1-6a-c	D3.1-15 through 18
D3.1-7a-c	D3.1-19 through 22
D3.1-8a-c	D3.1-23 through 25
D3.1-9a-c	D3.1-26 & 27
D3.1-10a-c	D3.1-28 & 29
D3.1-11a-c	D3.1-30

D3.4-1	5.3-43
D3.4-2	5.3-44

D3.4-3	5.3-56
D3.4-4	5.3-57
D3.4-5	5.3-75
D3.4-6	5.3-76
D3.4-7	5.3-95
D3.4-8	5.3-96

D4.3-1	
D4.3-2	
D4.3-2	
D4.3-3	5.4-4f
D4.3-4	5.4-5
D4.3-5	5.4-6

D4.4-1	5.4-1
D4.4-2a-f	5.4-2a-f
D4.4-3a-f	5.4-3a-f

D5.2-1	5.5-24
D5.2-2	5.5-25
D5.2-3	5.5-26
D5.2-4	5.5-27
D5.2-5	5.5-28
D5.2-6	5.5-29
D5.2-7	5.5-30

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Use Figure H3.1-2
New Figure
Use Figure H3.1-3
Use Figure H3.1-4
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Use Figure H3.1-5
Use Figure H3.1-6
New Figure
Use Figure H3.1-7
Use Figure H3.1-8
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Use Figure H3.1-9
Use Figure H3.1-10
New Figure
Use Figure H3.1-11
Use Figure H3.1-12
New Figure
Use Figure H3.1-13
Use Figure H3.1-14
New Figure
Use Figure H3.1-15
Use Figure H3.1-16
New Figure
Use Figure H3.1-17
Use Figure H3.1-18
New Figure
Use Figure H3.1-19
Use Figure H3.1-20
New Figure
Use Figure H3.1-21
Use Figure H3.1-22
New Figure
Use Figure H3.1-23
Use Figure H3.1-24
New Figure

Use Figure H3.1-25
Use Figure H3.1-26
New Figure
Use Figure H3.1-27
Use Figure H3.1-28
New Figure

5.3-1a is 5.2-1 and 5.3-1b is H3.1-43. Include 2007 in "a" title and 2009 in "b" title.

5.3-sa is 5.2-2 and 5.3-2b is H3.1-44. Include 2007 in "a" title and 2009 in "b" title.

Update with 2009 data

5.3-3b will present 2009 data

5.3-4b will present 2009 data

5.3-6a is 5.2-6 and 5.3-6b is H3.1-45. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale. Change 5.3-6b units on y-axis from pg/g to ug/kg and add RM under stations on x-axis. Make y-axis scales consistent between Aroclor and congener plots.

5.3-7a is 5.2-7 and 5.3-7b is H3.1-46. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

Update with 2009 data

5.3-9a is 5.2-14 and 5.3-9b is H3.1-47. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-9a figure taller to fit better on page and extend scale.

5.3-10a is 5.2-16 and 5.3-10b is H3.1-48. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-11a is 5.2-17 and 5.3-11b is H3.1-49. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-12a is 5.2-19 and 5.3-12b is H3.1-50. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-13a is 5.2-22 and 5.3-13b is H3.1-51. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-14a is 5.2-23 and 5.3-14b is H3.1-52. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-15a is 5.2-24 and 5.3-15b is H3.1-53. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-16a is 5.2-25 and 5.3-16b is H3.1-54. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-17a is 5.2-26 and 5.3-17b is H3.1-55. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-18a is 5.2-27 and 5.3-18b is H3.1-56. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-19a is 5.2-28 and 5.3-19b is H3.1-57. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-20a is 5.2-29 and 5.3-20b is H3.1-58. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

5.3-21a is 5.2-30 and 5.3-21b is H3.1-59. Include 2007 in "a" title and 2009 in "b" title. Make 5.3-6a figure taller to fit better on page and extend scale.

Y-axis: Change title to "Willamette River Discharge (cfs)".

Remove lines from figure.

Remove lines from figure.

One figure for each of the 3 flow event types - high flow, low flow, & Storm water-influenced flow. Each figure will have log COI conc. on Y-axis and on x-axis will present 4 bars at site-wide and each RM 2-11 & 16. One bar represents average E SP conc., one bar represents average NC SP conc., one bar represents W SP conc., and one bar represents T conc. Keep stacked bar of dissolved and particulate conc representing total - label as dissolved and particulate rather than XAD & Filter. Present data concentration using "ug/L"

Rotate figure so that River Miles are on x-axis. Include peristaltic data on figure.

Present data concentration using "ug/L"

Present COI concentration in zoomed scale. Present data concentration using "ug/L"

One figure for each of the 3 flow event types - high flow, low flow, & Storm water-influenced flow. Each figure will have log COI conc. on Y-axis and on x-axis will present 4 bars at site-wide and each RM 2-11 & 16. One bar represents average E SP conc., one bar represents average NC SP conc., one bar represents W SP conc., and one bar represents T conc. Keep stacked bar of dissolved and particulate conc representing total - label as dissolved and particulate rather than XAD & Filter. Present data concentration using "ug/L"

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Present COI concentration in zoomed scale. Use call-out boxes for values that exceed scale.

One figure for each of the 3 flow event types - high flow, low flow, & Storm water-influenced flow. Each figure will have log COI conc. on Y-axis and on x-axis will present 4 bars at site-wide and each RM 2-11 & 16. One bar represents average E SP conc., one bar represents average NC SP conc., one bar represents W SP conc., and one bar represents T conc. Keep stacked bar of dissolved and particulate conc representing total - label as dissolved and particulate rather than XAD & Filter. Include both XAD and Peristaltic together. If both exists and one is ND, present the detected value. If more than one value, present the maximum value.

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As described in email from Gene Revelas on March 13, 2014

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As described in email from Gene Revelas on March 13, 2014

OK as originally presented.

Reversed High & Low TPH to be in consistent order with Maps

Moved physical parameters to end so all key contaminant info is presented first, which is primary to this a

Update with data from Appendix H

Update with data from Appendix H

New Figure

New Figure

Update with data from Appendix H

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Remove "...with CI (solid lines) and the 1:1 line (dashed)" from title and put in legend

Change first panel title to "Total PCB Congeners (in ug/kg), Surface Sediment" (why does this one only hav

Use H3.1-33a
Use H3.1-33b
Use H3.1-33c
Use H3.1-34a
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Use H3.1-41h
Use H3.1-41i
Use H3.1-41j
Use H3.1-42a
Use H3.1-42b
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Use H3.1-42d
Use H3.1-42e
Use H3.1-42f

Order rearranged to match order in other sections for consistency in presentation.

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ppendix.

re surface sediment and not both surface and subsurface sediment?)

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